## Amendments to the Claims:

The listing of clams will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

Claim 1 (currently amended): A method for collecting statistics at multiple collection rates, the method comprising:

establishing a plurality of <u>statistics</u> collection pools for a range of <u>statistics</u> collection rates, each of the plurality of <u>statistics</u> collection pools having a different <u>statistics</u> collection rate;

assigning a connection to a particular one of the plurality of <u>statistics</u> collection pools; and

collecting <u>statistics</u> data for the connection at approximately the <u>statistics</u> collection rate of said particular one of the plurality of <u>statistics</u> collection pools.

Claim 2 (currently amended): The method of claim 1, wherein the <u>statistics</u> connection is assigned to the particular one of the plurality of connection pools based at least in part on an <u>a statistics collection</u> overflow rate for a collected characteristic of the connection.

Claim 3 (currently amended): The method of claim 2, wherein the <u>statistics</u> collection rate of said particular one of the plurality of <u>statistics</u> collection pools equals or exceeds the <u>statistics collection</u> overflow rate for the collected characteristic of the connection.

Claim 4 (currently amended): The method of claim 1, wherein said collected <u>statistics</u> data includes at least one packet statistic.

Claim 5 (currently amended): A computer-readable medium containing computer-executable instructions for performing the method of claim 1 steps for collecting statistics at multiple collection rates, said steps comprising:

establishing a plurality of statistics collection pools for a range of statistics collection rates, each of the plurality of statistics collection pools having a different statistics collection rate;

assigning a connection to a particular one of the plurality of statistics collection pools; and

collecting statistics data for the connection at approximately the statistics collection rate of said particular one of the plurality of statistics collection pools.

Claim 6 (currently amended): A method for collecting statistics at multiple collection rates, the method comprising:

determining a <u>statistics</u> data acquisition rate for each connection of a plurality of connections;

configuring a plurality of predefined <u>statistics</u> collection groups, each <u>said</u> predefined statistics collection group having a different predetermined <u>statistics</u> collection rate;

assigning said each connection to one of the plurality of predefined <u>statistics</u> collection groups based at least in part on the <u>statistics</u> data acquisition rate for said each connection; and

collecting <u>statistics</u> data for said each connection according <u>to</u> its <u>said</u> assigned predefined <u>statistics</u> collection group at approximately said corresponding predetermined statistics collection rate.

Claim 7 (currently amended): The method of claim 6, wherein said predetermined statistics collection rate for a particular predefined statistics collection group exceeds a statistics collection data overflow rate for each of the connections assigned to said particular predefined statistics collection group.

Claim 8 (original): The method of claim 7, wherein a packet statistic is maintained for said each connection.

Claim 9 (original): A computer-readable medium containing computer-executable instructions for performing the method of claim 6 steps for collecting statistics at multiple collection rates, said steps comprising:

determining a <u>statistics</u> data acquisition rate for each connection of a plurality of connections:

configuring a plurality of predefined <u>statistics</u> collection groups, each <u>said</u> predefined <u>statistics</u> collection group having a different predetermined <u>statistics</u> collection rate;

assigning said each connection to one of the plurality of predefined <u>statistics</u> collection groups based at least in part on the <u>statistics</u> data acquisition rate for said each connection; and

collecting <u>statistics</u> data for said each connection according <u>to</u> its <u>said</u> assigned predefined <u>statistics</u> collection group at approximately said corresponding predetermined <u>statistics</u> collection rate.

Claim 10 (original): An apparatus comprising:

a plurality of elements, each of the plurality of elements maintaining a different packet statistic count and having a required minimum collection rate;

one or more storage elements for storing a data structure indicating an assignment of each of the plurality of elements to one of a plurality of collection groups each having a different collection rate, wherein a particular collection rate of a particular collection group exceeds the minimum collection rates of any of the plurality of elements assigned to the particular collection group; and

a collector to acquire data from the plurality of elements according to said different collection rates of the plurality of collection groups.

Claim 11 (original): The apparatus of claim 10, wherein the different packet statistic count maintained by each of the plurality of elements corresponds to one or more connections.

Claim 12 (original): The apparatus of claim 10, wherein each of the plurality of elements includes a counting mechanism.

Claim 13 (original): The apparatus of claim 10, further comprising a packet processor coupled to each of the plurality of elements and to initiation modification of said data in the plurality of elements.

Claim 14 (original): The apparatus of claim 13, wherein each of the plurality of elements includes a counting mechanism.

Claim 15 (original): A packet switching component including the apparatus of claim 10.

Claim 16 (original): The apparatus of claim 10, wherein the data structure includes a plurality of identifiers, each of the plurality of identifiers corresponds to a different one of the plurality of elements.

Claim 17 (original): The apparatus of claim 16, wherein the data structure includes at least one linked list of a group of the plurality of identifiers assigned to one of the plurality of collection groups.

Claim 18 (original): The apparatus of claim 10, wherein the collector includes a second data structure to maintain indications of said data acquired from the plurality of elements.

Claim 19 (original): An apparatus comprising:

a plurality of means for maintaining a packet statistic, the plurality of means for maintaining the packet statistic having at least two different minimum collection rates;

means for acquiring data at a plurality of different collection rates from the plurality of means for maintaining the packet statistic; and

means for relating each of the plurality of means for maintaining the packet statistic to one of the plurality of collection rates.

Claim 20 (currently amended): An apparatus for collecting statistics at multiple collection rates, the apparatus comprising:

means for establishing a plurality of <u>statistics</u> collection pools for a range of <u>statistics</u> collection rates, each of the plurality of <u>statistics</u> collection pools having a <u>different statistics</u> collection rate;

means for collecting <u>statistics</u> data from a plurality of means for storing <u>statistics</u> data; means for assigning a particular means for storing <u>statistics</u> data to a particular one of the plurality of <u>statistics</u> collection pools based at least in part on <del>an</del> <u>a statistics</u> overflow rate for the means for storing <u>statistics</u> data; and

means for collecting <u>statistics</u> data from the plurality of means for storing <u>statistics</u> data at approximately said <u>statistics</u> collection rates of the plurality of <u>statistics</u> collection pools.

Claim 21 (currently amended): The apparatus of claim 20, wherein the <u>statistics</u> collection rate of each of the plurality of <u>statistics</u> collection pools equals or exceeds the <u>statistics</u> overflow rate for each particular means for storing <u>statistics</u> data assigned to said each of the plurality of <u>statistics</u> collection pools.

Claim 22 (currently amended): The apparatus of claim 21, wherein each of the plurality of means for storing <u>statistics</u> data maintains at least one packet statistic.

Claim 23 (currently amended): An apparatus <u>for collecting statistics at multiple</u> <u>collection rates, the apparatus comprising</u>:

means for determining a <u>statistics</u> data acquisition rate for each element of a plurality of elements;

means for configuring a plurality of predefined <u>statistics</u> collection groups, each <u>of</u> <u>said</u> predefined collection group having a different predetermined <u>statistics</u> collection rate;

means for assigning said each element to one of the plurality of predefined <u>statistics</u> collection groups based at least in part on the <u>statistics</u> data acquisition rate for said each element; and

means for collecting <u>statistics</u> data from said each element according <u>to</u> its assigned predefined <u>statistics</u> collection group at approximately said corresponding predetermined statistics collection rate.

Claim 24 (currently amended): The apparatus of claim 23, wherein said predetermined statistics collection rate for a particular predefined collection group exceeds a statistics data overflow rate for each of the elements assigned to said particular predefined statistics collection group.

Claim 25 (original): The apparatus of claim 24, wherein each element maintains at least one packet statistic.

Claim 26 (currently amended): An apparatus <u>for collecting statistics at multiple</u> <u>collection rates, the apparatus</u> comprising:

means for establishing a plurality of <u>statistics</u> collection pools for a range of collection rates, each of the plurality of <u>statistics</u> collection pools having a different <u>statistics</u> collection rate;

means for assigning a connection to a particular one of the plurality of <u>statistics</u> collection pools; and

means for collecting <u>statistics</u> data for the connection at approximately the <u>statistics</u> collection rate of said particular one of the plurality of <u>statistics</u> collection pools.

Claim 27 (currently amended): The apparatus of claim 26, wherein the <u>statistics</u> connection is assigned to the particular one of the plurality of <u>statistics</u> connection pools based at least in part on an <u>a statistics</u> overflow rate for a collected <u>statistics</u> characteristic of the connection.

Claim 28 (currently amended): The apparatus of claim 27, wherein the <u>statistics</u> collection rate of said particular one of the plurality of <u>statistics</u> collection pools equals or exceeds the <u>statistics</u> overflow rate for the collected <u>statistics</u> characteristic of the connection.

Claim 29 (currently amended): An apparatus for collecting statistics at multiple collection rates, the apparatus comprising:

means for determining a <u>statistics</u> data acquisition rate for each connection of a plurality of connections;

means for configuring a plurality of predefined <u>statistics</u> collection groups, each <u>of</u> <u>said</u> predefined <u>statistics</u> collection group having a different predetermined <u>statistics</u> collection rate;

means for assigning said each connection to one of the plurality of predefined <u>statistics</u> collection groups based at least in part on the <u>statistics</u> data acquisition rate for said each connection; and

means for collecting <u>statistics</u> data for said each connection according <u>to</u> its assigned predefined <u>statistics</u> collection group at approximately said corresponding predetermined statistics collection rate.

Claim 30 (currently amended): The apparatus of claim 29, wherein said predetermined collection rate for a particular predefined <u>statistics</u> collection group exceeds a <u>statistics</u> <u>collection</u> data overflow rate for each of the connections assigned to said particular predefined <u>statistics</u> collection group.